

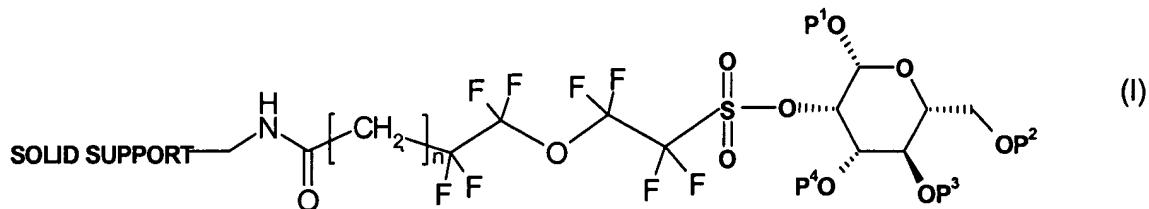
Please amend page 39, line 1 as follows:

Claims What is claimed is:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A compound of formula (I):



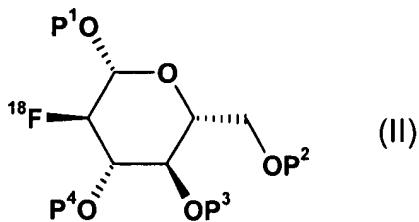
wherein P¹, P², P³, and P⁴ are each independently hydrogen or a protecting group; and n is an integer of from 2 to 20.

2. (Original) A compound of formula (I) according to claim 1 in which n is 4 to 12.

3. (Currently amended) A compound of formula (I) according to claim 1 ~~or 2~~ in which n is 6 to 10.

4. (Currently amended) A compound of formula (I) according to ~~any of claims 1 to 3~~ claim 1 in which n is 10.

5. (Currently amended) A process for the production of 2-¹⁸F-fluoro-2-deoxy-D-glucose (¹⁸F-FDG) which comprises treatment of a compound of formula (I) according to ~~any of claims 1 to 4~~ claim 1, with ¹⁸F⁻ to produce the labelled tracer of formula (II)

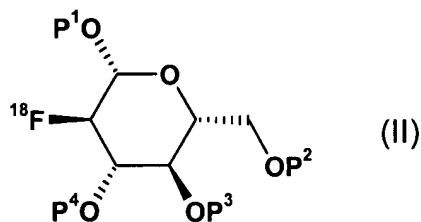


wherein P¹, P², P³, and P⁴ are each independently hydrogen or a protecting group; optionally followed by

- (i) removal of excess ¹⁸F⁻, for example by ion-exchange chromatography; and/or
- (ii) removal of the protecting groups; and/or
- (iii) removal of organic solvent; and/or
- (iv) formulation of the resultant compound of formula (II) as an aqueous solution.

6. (Currently Amended) A radiopharmaceutical kit for the preparation of ¹⁸F-FDG for use in PET, which comprises:

- (i) a vessel containing a compound of formula (I) according to ~~any of claims 1 to 4~~ ;
claim 1 and
- (ii) means for eluting the vessel with a source of ¹⁸F⁻ ;
- (iii) an ion-exchange cartridge for removal of excess ¹⁸F⁻; and optionally
- (iv) a cartridge for solid-phase deprotection of the resultant product of formula (II) as defined in claim 5 .



7. (Currently amended) A cartridge for a radiopharmaceutical kit for the preparation of an ¹⁸F-FDG for use in PET which comprises:

- (i) a vessel containing a compound of formula (I) according to ~~any of claims 1 to 4~~claim 1; and
- (ii) means for eluting the vessel with a source of ¹⁸F⁻ .

8. (Currently amended) A method for obtaining a diagnostic PET image which comprises the step of using a radiopharmaceutical kit or a cartridge for a radiopharmaceutical kit according to claim 6-~~or~~⁷.